

In re Patent Application of:
BRUNA ET AL.
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In the Specification:

Please replace the paragraph beginning at page 15, line 21-30, with the following rewritten paragraph:

--For example, Fig.2a shows a relation between the total energy measure E and the number ACbits for a camera having a CDD with 1 million of light-sensitive cells and for images of 640x480 pixels, with a factor S=0.2 and a target compression factor $bp_t=2$ bit/pel. This relation can be interpolated as a linear function. In other words, the number ACbits can be estimated using the relation $ACbits = a \cdot E + b$. The parameters a and b depend on the characteristics of the camera 100 and the target compression factor bp_t .--

Please replace the paragraph beginning at page 21, line 12-22, with the following rewritten paragraph:

--Each Sobel filter 320y, 320u, 320v then calculates a total Sobel image Sy, Su, Sv, defined by the formula:

$$Sy = SHy + \alpha \cdot SVy$$

$$Su = SHu + SVu$$

$$Sv = SHv + SVv$$

wherein the parameter a is used to compensate for the asymmetry of the quantization table Qy along a horizontal and a vertical direction (for example $\alpha=0.6$). The accumulator 325y, 325u, 325v sums these values and set the respective energy measure Ey, Eu, Ev equal to this sum, in other words:--